

Seco 585-610w

High efficiency monofacial modules

PERC

210mm

• PERC MODULE ADVANTAGE



Less mismatch to
get more power



Less power loss by
minimizing the
shading impact



Excellent
low-light
performance



Low BOS and
LCOE



3 times EL test
to ensure best
quality



Superior load capacity
2400 Pa wind load &
5400 Pa snow load

• QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

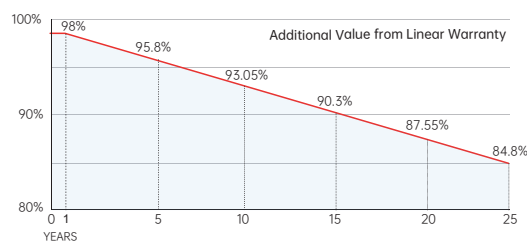
• PRODUCT CERTIFICATION



• INSURANCE

PICC

• WARRANTY



Guarantee on product
material and workmanship



Linear power
output warranty



SERAPHIM ENERGY GROUP CO., LTD.

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Mechanical Specifications

External Dimension	2172 x 1303 x 33 mm
Weight	29.5 kg
Solar Cells	PERC Mono(120 pcs)
Front Glass	3.2mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cables	4.0mm², 250mm(+)/350mm(-) or Customized Length

Packing Configuration

Container	40'HQ
Pieces per Pallet	33
Pallets per Container	18
Pieces per Container	594

For details, please consult SERAPHIM.

Electrical Characteristics

Module Type	SRP-585-BMB-HV		SRP-590-BMB-HV		SRP-595-BMB-HV		SRP-600-BMB-HV		SRP-605-BMB-HV		SRP-610-BMB-HV	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power -P _{mp} (W)	585	439	590	443	595	446	600	450	605	454	610	458
Open Circuit Voltage -V _{oc} (V)	41.09	39.04	41.29	39.23	41.49	39.42	41.69	39.61	41.89	39.80	42.09	39.99
Short Circuit Current -I _{sc} (A)	18.22	14.58	18.28	14.62	18.34	14.67	18.40	14.72	18.46	14.77	18.52	14.82
Maximum Power Voltage -V _{mp} (V)	33.98	31.87	34.18	32.05	34.38	32.22	34.58	32.40	34.78	32.58	34.98	32.75
Maximum Power Current -I _{mp} (A)	17.21	13.77	17.26	13.81	17.31	13.85	17.36	13.89	17.41	13.93	17.46	13.97
Module Efficiency STC-η _m (%)	20.67		20.85		21.02		21.20		21.38		21.55	
Power Tolerance (W)	(0, +4.99)											

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5 Power measurement tolerance: +/3%; Voltage measurement tolerance: +/3%; Current measurement tolerance: +/4%
NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed :1m/s Power measurement tolerance: +/3%; Voltage measurement tolerance: +/3%; Current measurement tolerance: +/4%

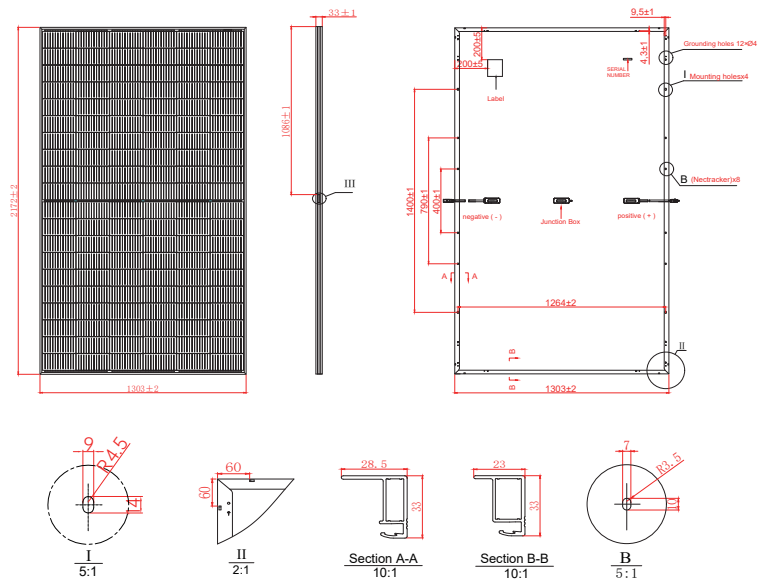
Temperature Ratings

Pmax Temperature Coefficient	-0.34 %/°C
Voc Temperature Coefficient	-0.25 %/°C
Isc Temperature Coefficient	+0.04 %/°C

Application Conditions

Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	30 A
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature	45±2 °C
Mechanical Load	Front side 5400 Pa / Back side 2400 Pa

Technical drawing



I-V Curve

